

Shivang Kanaujia

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Summary

Software Engineer with 4+ months of production experience building and deploying AI-powered applications in a fast-paced startup. Skilled across full-stack development, cloud infrastructure (Docker, Nginx, SSL), and modern AI systems (RAG, ChromaDB). Active open-source contributor with 7+ merged PRs.

Technical Skills

Proficient: JavaScript, TypeScript, React, Next.js, Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, TailwindCSS, AWS (EC2, Auto Scaling Groups, VPC, IAM), Docker, Git, GitHub, Prisma ORM, OAuth/JWT Authentication, Postman
Familiar: Kubernetes, Digital Ocean, Redis, Kafka, WebSockets, Microservices Architecture, C++, Jenkins

Work Experience

Junior Engineer | Aalgorix

Dec 2025 - Present

- Reduced initial page load time from 11s to 3.26s (70% improvement) by parallelizing sequential session checks and API fetches, and implementing lazy loading, content streaming, and React Suspense
- Implemented asynchronous job polling system (2s intervals, 60 attempts, status-aware progress updates) replacing a broken synchronous upload flow
- Implemented PDF vectorization pipeline with ChromaDB and automated RAG metadata generation for curriculum-aligned tutoring
- Containerized production applications on DigitalOcean and Cloudpe droplets using Docker, Docker Compose, and custom Dockerignore configurations, configuring Nginx reverse proxy and generating SSL certificates
- Developed and deployed white-labeled MVPs of the AI tutoring platform, customized for universities and colleges as a standalone institutional product

Technical Projects

[Personal Finance Tracker](#) | *Next.js, Hono API, PostgreSQL, Clerk Auth, TailwindCSS*

- Built full-stack finance tracker which lets users track your financial health using interactive charts and graphs with Clerk authentication and Recharts visualization
- Optimized dashboard performance by migrating to Server Components for zero-waterfall fetching and lazy-loading heavy charts to reduce initial bundle size.
- Improved app responsiveness by integrating TanStack Virtual for high-volume data tables and implementing optimistic UI updates for near-instant transaction feedback.

[Team Collaboration Platform](#) | *Next.js, Convex, TypeScript, TailwindCSS*



- Built real-time messaging platform with channels, direct messages, threaded conversations, reactions, file uploads, and workspace management.
- Integrated Convex backend with WebSocket connections for real-time message delivery, supporting 50+ concurrent users with optimistic UI updates.

Open Source Contributions

7+ Merged Pull Requests Across Multi-Domain Projects | *React, Next.js, TypeScript, TailwindCSS*

Active contributor to blockchain gaming, AI-powered platforms, and Web3 applications focusing on frontend components and performance optimization (*Streamfi-frontend, Zicket-web, Safegig, Flavor-AI, Mindblock_app*).

- Built reusable TypeScript component abstractions and modular UI libraries using shadcn/ui and Yarn Workspaces, reducing code duplication by 60% for 25+ developers and improving First Contentful Paint by 1.2s with responsive patterns (skeleton loaders, mobile navigation).

Education

Bachelor of Technology, Computer Science & Engineering

Dr. A.P.J. Abdul Kalam Technical University (AKTU)

2025

Lucknow, India

Certifications

Oracle Cloud Infrastructure Certified Developer Professional (2025)